



Priority Date: 2003-IP-011752 (1391-39401)

Patent

IPW

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jiten Chatterji, et al. §  
Serial No.: 10/683,644 § Group Art Unit: 3672  
Filed: October 10, 2003 § Examiner: Zakiya Nicole Walker  
For: METHODS OF FRACTURING A § Confirmation No. 1203  
SUBTERRANEAN FORMATION USING A PH  
DEPENDENT FOAMED FRACTURING FLUID §

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence and Form PTO/SB/08A with citations attached, is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

3-8-05

(Date of Deposit)

S. M. Shire

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner:

This Supplemental Information Disclosure Statement, including completed Form PTO/SB/08A, comprises a list of pertinent art of which Applicants are aware. In accordance with 37 C.F.R. 1.98, no paper copies of the U.S. Patents are enclosed. This information is supplemental to the Information Disclosure Statements filed in the above-referenced matter on October 10, 2003 and August 30, 2004.

03/15/2005 MMEKONEN 00000054 501515 10683644

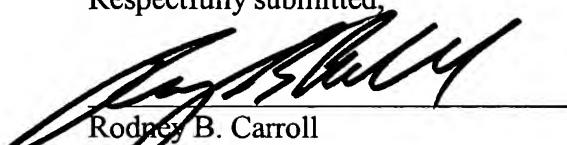
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The submission of this Supplemental Information Disclosure Statement and Form PTO/SB/08A is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Because an Office Action has been entered in this case, this Supplemental Information Disclosure Statement is being filed under C.F.R. 1.97(c). Applicants hereby authorize a charge of such fee to Deposit Account Number 50-1515 of Conley Rose, P.C., Texas so that this Supplemental Information Disclosure Statement may be considered.

Date: 3-8-05

Respectfully submitted,



Rodney B. Carroll  
Reg. No. 39,624

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5700 Granite Parkway, Suite 330  
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ATTORNEY FOR APPLICANT

MAR 14 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

## Complete if Known

Application Number	10/683,644
Filing Date	October 10, 2003
First Named Inventor	Jiten Chatterji
Art Unit	3672
Examiner Name	Zakiya Nicole Walker
Attorney Docket Number	2003-IP-011752 (1391-39401)

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA	US- 3,303,896		02/14/1967	Tillotson, et al.	
AB	US- 3,572,439		03/30/1971	Hutchison, et al.	
AC	US- 3,610,340		10/05/1971	Hutchison, et al.	
AD	US- 4,108,782		08/22/1978	Thompson	
AE	US- 4,113,631		09/12/1978	Thompson	
AF	US- 4,232,741		11/11/1980	Richardson, et al.	
AG	US- 4,301,016		11/17/1981	Carriere, et al.	
AH	US- 4,486,316		12/04/1984	Carriere, et al.	
AI	US- 4,694,906		09/22/1987	Hutchins, et al.	
AJ	US- 5,215,596		06/01/1993	Van Slyke	
AK	US- 5,385,206		01/31/1995	Thomas	
AL	US- 5,591,701		01/07/1997	Thomas	
AM	US- 5,614,473		03/25/1997	Dino, et al.	
AN	US- 6,113,809		09/05/2000	Dino, et al.	
AO	US- 6,148,932		11/21/2000	Argillier, et al.	
AP	US- 6,286,601		09/11/2001	Argillier, et al.	
AQ	US- 6,306,800		10/23/2001	Samuel, et al.	
AR	US- 6,761,220		07/13/2004	Blauch, et al.	
	US-				

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MAR 14 2005

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 10/01/2005

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$180.00)

### Complete if Known

Application Number	10/683,644
Filing Date	October 10, 2003
First Named Inventor	Jiten Chatterji
Examiner Name	Zakiya Nicole Walker
Art Unit	3672
Attorney Docket No.	HES 2003-IP-011752 (1391-39401)

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 50-1515 Deposit Account Name: Conley Rose, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x 50.00	= 0.00				
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	0 x 200.00	= 0.00				
HP = highest number of independent claims paid for, if greater than 3						

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 = 0	/ 50 = 0 (round up to a whole number)	x 0 = 0.00		

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

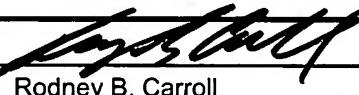
Other: Supplemental Information Disclosure Statement

Fees Paid (\$)

0.00

180.00

### SUBMITTED BY

Signature		Registration No. 39,624 (Attorney/Agent)	Telephone (972) 731-2288
Name (Print/Type)	Rodney B. Carroll		Date 3-8-05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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